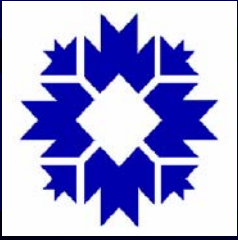


June 30, 2003



# City of Bloomington Utilities Department



## Stormwater Program 2003 Update



# Stormwater Program

## 2003 Update

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### Agenda

- ◆ Program History
- ◆ Areas Inspected
- ◆ Culvert Phase 1 Projects (Past)
- ◆ Culvert Phase 2 Projects (Present)
- ◆ Culvert Phase 3 Projects (Future)
- ◆ Neighborhood Projects (Present)
- ◆ Capital Investment Plan

Invitation to Questions / Comments

# Stormwater Program

## 2003 Update

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### Program History

- ◆ 1997 Inspection by Rust for DPW
  - Underground Inspection
  - Inspected over 10,000' of culverts
- ◆ 1997 Inventory & Assessment Report
  - Became primary plan for capital projects
  - Provided prioritized needs
- ◆ 1998 Creation of Stormwater Utility
- ◆ 1998 Designs for Phase 1 Culverts started
- ◆ 1999 First Phase 1 Projects Completed

# Stormwater Program

## 2003 Update

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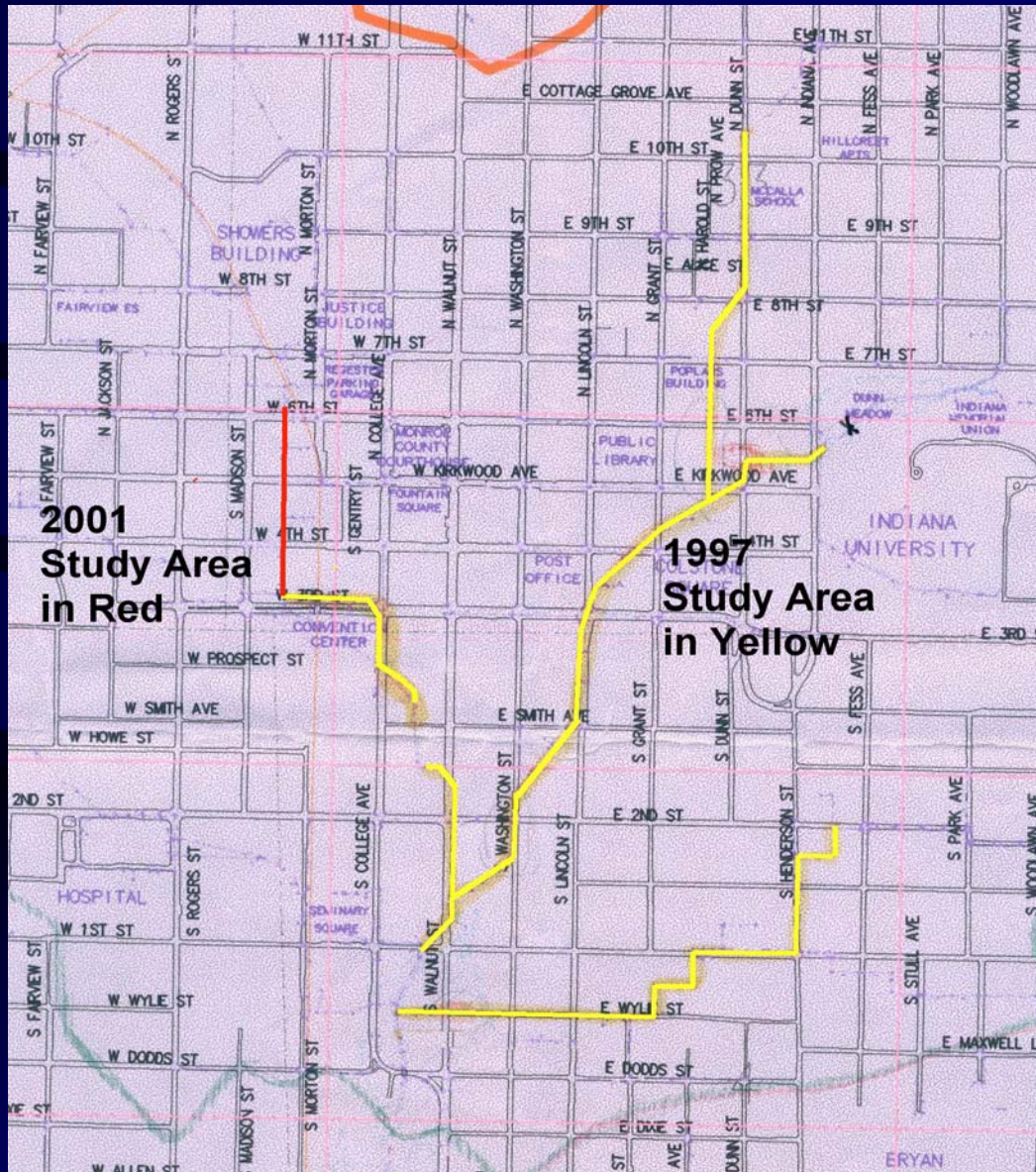
### Program History (Continued)

- ◆ 2000 East Kirkwood Ave (Big Dig)
- ◆ 2000 Design Contract for Phase 2 Projects Awarded to Donohue
- ◆ 2001 Final Phase 1 Project – (2<sup>nd</sup> / Washington) Completed
- ◆ 2001 Additional Culvert Assessment and Update Report
- ◆ 2002 Neighborhood Projects Initiated
- ◆ 2003 Phase 2 Culverts, Neighborhds on Hold for funding, prioritization



# Stormwater Program 2003 Update

## Areas Inspected to date





## Phase 1 Culvert Projects



# Stormwater Program 2003 Update

## Phase 1 Project - Wylie Street (1999)





# Stormwater Program 2003 Update

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## Phase 1 Project - College Ave. (1999)





# Stormwater Program 2003 Update

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## Phase 1 Project - Kirkwood Ave. (2000)



# Stormwater Program 2003 Update

## Phase 1 Project - Kirkwood Ave. (2000)





# Stormwater Program 2003 Update

## Phase 1 Project - Kirkwood Ave. (2000)





# Stormwater Program 2003 Update

## Phase 1 - 2nd & Washington (2001)



# Stormwater Program

## 2003 Update

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### Phase 1 Results

<u>Project</u>	<u>Cost</u>
Wylie Street	\$107,890
Spanker's Under College	\$387,600
Kirkwood Avenue	\$3,063,903
2nd and Washington	<u>\$2,114,317</u>
	<b>\$5,673,710</b>

Engineering Fees Total:	\$646,000
Less \$50,000 paid by Ameritech	\$596,000
Engineering Fees as %	<b>10.5%</b>

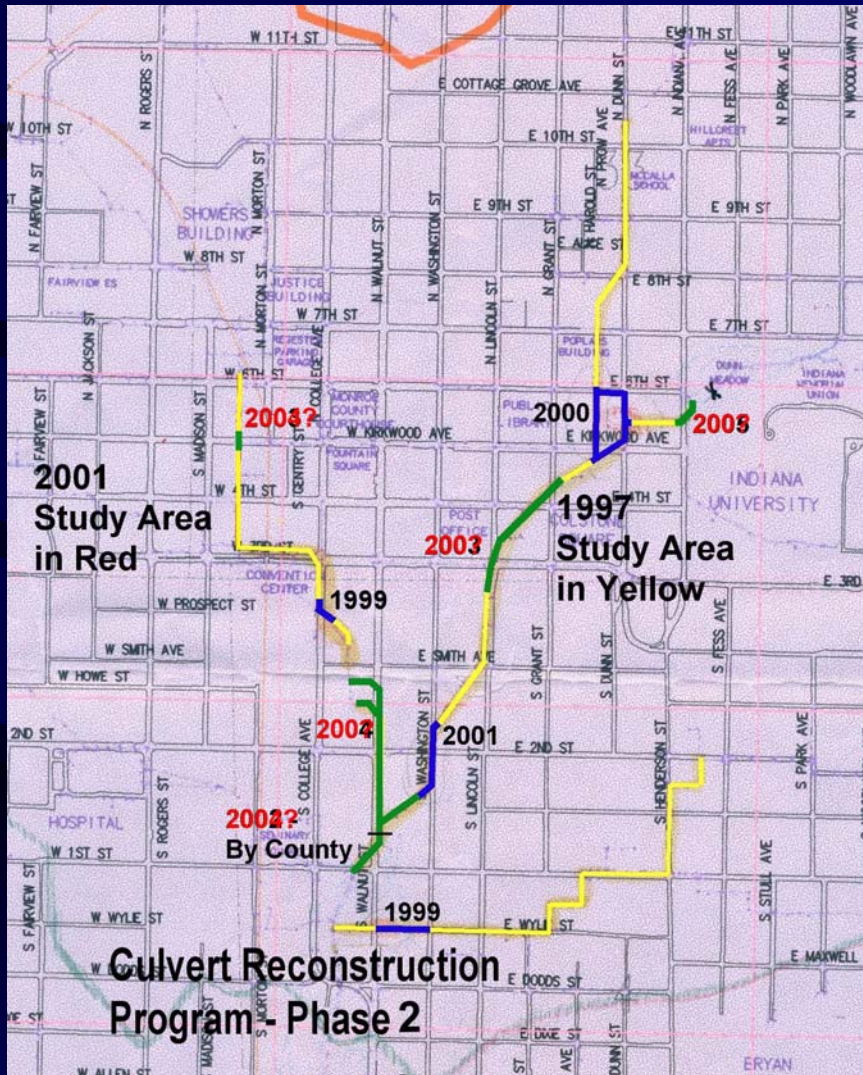
*Kirkwood Avenue won an Excellence in Engineering Award from the ACEC, and the Indiana MainStreet Association's 2000 Award for Best Downtown Improvement Project*





# Stormwater Program 2003 Update

## Phase 2 Culvert Projects





# Stormwater Program

## 2003 Update

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### Phase 2 Project Status

<u>Project</u>	<u>Est. Cost</u>
1st and Walnut (County – 2004?)	\$1,600,000
West Kirkwood Avenue (2004?)	\$300,000
Lincoln and 3rd /4th (?)	\$2,100,000
Spanker's under Walnut (?)	\$3,500,000
Indiana Avenue (?)	<u>\$700,000</u>
	<b>\$8,200,000</b>
<hr/>	
Est. Engineering Fees	\$795,000
Engineering Fee as %	9.7%

## Phase 3 Culvert Projects



# Stormwater Program 2003 Update

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## Phase 3 Project - 6th Street Arch





# Stormwater Program 2003 Update

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## Phase 3 Project - Under Vectren



# Stormwater Program

## 2003 Update

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### Phase 3 Project Summary

<u>Project</u>	<u>Est. Cost</u>
Wylie Street Culvert	\$435,000
6th Street Arch	\$300,000
Vectren / 4th Street Arch	\$800,000
Jordan River - Dunn to Indiana	\$1,100,000
Jordan River – Wash. to Lincoln	<u>\$3,000,000</u>
	<u><b>\$5,635,000</b></u>

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Estimated Engineering Fees at 9%	\$500,000
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*Projects currently Not Scheduled*

# Neighborhood Improvement Program





# Stormwater Program

## 2003 Update

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### Neighborhood Improvement Program

<u>Project</u>	<u>Est. Cost</u>
1 <sup>st</sup> Street – Fairview to College	\$1,085,000
Bryan Park Neighborhood	\$1,242,000
Arden Place	\$1,224,000
<u>Southdowns Area</u>	<u>\$2,300,000</u>
	<b>\$5,851,000</b>

Engineering Fees (Estimated)	\$275,000
Engineering Fees as %	4.7%

*Projects currently Not Scheduled*

# Stormwater Program 2003 Update

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## A Maturing Stormwater Utility

- ◆ Facing Increasing Demands for Limited Financial Resources
- ◆ Needing to look at the entire system of infrastructure Holistically
- ◆ Needing to develop a system for prioritizing the many needs:
  - Capital Projects
  - Designs
  - Studies/Assessments
- ◆ Needing to Involve Stakeholders (the Board, local officials, customers, etc.) in an effective manner

# Stormwater Program

## 2003 Update

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### Long Range Stormwater Capital Investment Planning

- ◆ CBU has asked Donohue to develop a strategy for identifying, prioritizing, and programming these multiple needs
- ◆ Goals would include:
  - Considering the entire City system
  - Identifying a Comprehensive “Needs List” through:
    - Community / Stakeholder Involvement Program
    - City Officials Interviews
    - Review of Previous Studies/Assessments
    - Historic Review (Complaints, Flooding, etc.)



# Stormwater Program

## 2003 Update

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### ◆ Goals (Continued):

- Develop a Prioritization Scheme that is relatively simple, understandable and defensible
- Develop a Project Ranking and identify estimated costs
- Program the Needs into a “Capital Investment Plan” that schedules the needs into a sustainable balance of:
  - Projects under construction
  - Engineering Designs for projects that will be constructed
  - Engineering Studies /Assessments to guide what should be under design

***Your largest Capital Investments have been part of a coordinated “Plan” since 1998...now may be the time for a more holistic approach to planning your investments.***

# Stormwater Program 2003 Update

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## Invitation to Questions

*Thank you for your time  
tonight and for the  
continuing opportunity  
to work on these great  
projects!*